Data Sheet

Wireless Barricade™ SMC7004AWBR V.2

2.4GHz 11 Mbps Wireless Cable/DSL Broadband Router with Print Server

The Wireless Cable/DSL Broadband Router is the perfect networking solution for any home and business user that is looking for a simple, all-in-one network product. This platform independent multi-functional router combines a 3-port 10/100 Mbps dual-speed switch with Automatic MDI-MDIX feature, a high speed 11Mbps wireless access point, Stateful Packet Inspection (SPI) firewall security, network management, and Virtual Private Network (VPN) passthrough support, incorporates a built-in print server, and a serial port into one convenient device.

The high performance Barricade offers an integrated Stateful Packet Inspection (SPI) firewall. This firewall provides protection against hacker invasions, such as Denial of Service (DoS) attacks by analyzing individual data packets, as they pass through the Wireless Barricade, to ensure that only authorized packets are allowed access to the network. To control network access, parents, or business owners can block certain websites by entering either a URL address or just a keyword of the website. In addition, this Broadband Router provides hacker prevention and logging functionalities. For example, when a hacker attempts to access your network, the Barricade can alert you via email so you can take appropriate action.

To provide additional peace-of-mind, the router also includes the ZoneAlarm® Pro Personal Firewall with Web Filtering. In addition to protecting your personal data and ensure your privacy from Internet hackers, ZoneAlarm Pro Personal Firewall with Web Filtering offers cutting-edge features such as improved ad blocking, cookie control, advanced MailSafe email attachment protection, automatic intrusion blocking, pop-up ad control, automatic network detection, and automatic software updates. ZoneAlarm Pro with Web Filtering greatly increases the security features of the device, making it one of the most secure Wireless Cable/DSL Broadband Router in the market.

The Wireless Barricade provides a 10/100 Mbps WAN port for high-speed integration into your network. Supporting NAT, the Barricade can provide simultaneous Internet access for up to 253 PCs using a single purchased IP address.To manage these connections, the Barricade has a built-in DHCP server to auto-assign IP addresses to devices on your network.

For wireless connectivity, the Barricade Wireless Cable/DSL Broadband Router supports up to 11Mbps high-speed wireless connection at data rates of 1, 2, 5.5, and 11Mbps.To secure this wireless connection, the Wireless Barricade supports Wi-Fi Protected Access (WPA)*, disable SSID broadcast, MAC address filtering and 64/128-bit Wired Equivalent Privacy (WEP).

Features and Benefits

High Performance & Functionality

- EZ 3-Click Installation Wizard
- User-friendly Web-based management
- Connects to a Cable/xDSL modem or dial-up modem
- Simultaneous Internet access for up to 253 PCs on the LAN using only one IP address
- Built-in Stateful Packet Inspection (SPI) firewall security
- 3-port Auto-MDI-MDIX 10/100 Mbps switch versatility plus 1 10/100 Mbps port for WAN connection
- High Speed wireless operation at 1, 2, 5.5, 11Mbps
- Built-in Print Server and RS-232 Serial Port
- Robust security features include Wi-Fi Protected Access WPA)*, 64-bit/128-bit WEP encryption, disable SSID broadcast and MAC address filtering
- URL blocking to limit access to certain websites by entering a full URL address or a keyword of the website
- Access control based on IP address filtering,MAC address filtering, date and time of the day
- Hacker prevention and logging capability with email alerts prevent common hacker attacks

Compatibility

- Platform independent – works with PC or Mac
- IEEE 802.3, 802.3u, and 802.11b compliant

Product	Model No	Description
Wireless Barricade	SMC7004AWBR V.2	2.4GHz 11Mbps Wireless Cable/DSL Broadband Router with Print Server

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SMC® Networks

Wireless Barricade™ SMC7004AWBR V.2

2.4GHz 11 Mbps Wireless Cable/DSL Broadband Router with Print Server

Specifications

Standards
- IEEE802.3, 802.3u, 802.11b Compliant

Data Rate
- 1/2/5.5/11 Mbps

Security
- 64/128-bit WEP
- Disable SSID Broadcast
- MAC Address Filtering
- Wi-Fi Protected Access

Configuration and Management
- Web Configuration and firmware upgradeable

Internet Sharing Methods
- Static IP
- Dynamic IP
- PPPoE
- PPTP WAN
- Big Pond
- Dial-Up

Protocols
- TCP/IP, PPTP/L2TP/IPSec Passthrough (VPN)
- DNS
- SNTP
- NAT
- DHCP
- HTTP
- HTML
- PPP Internet Control Protocol
- PPP Authentication Protocol
- Point-to-Point Protocol
- SNMP MIB I & II

LED Indicators
- Power
- WLAN
- LAN
- WAN
- Activitiy

Interface
- 3 x 10/100 Base-T RJ-45 LAN Port with Automatic MDI/MDIX feature
- 1 x 10/100 Base-T RJ-45 Broadband WAN port
- 1 x DB-9 Port for PSTN/ISDN Connection
- 1 x DB-25 Printer Port

Print Server
- Windows 95/98/NT/Me/2000, UNIX

NAT Router - Ethernet Interface
- IP, PPPoE

NAT Router - Asynchronous Interface
- Dial-on Demand
- Auto-Disconnect

Wireless RF module Frequency Band:
802.11b Radio: 2.4GHz
- USA - FCC 2412~2462MHz (Ch1~Ch11)
- Canada - IC 2412~2462MHz (Ch1~Ch11)
- Europe - ETSI 2412~2472MHz (Ch1~Ch13)
- Spain 2457~2462MHz (Ch10~Ch11)
- France 2457~2472MHz (Ch10~Ch13)
- Japan - STD-T66/STD-33 2412~2484MHz (Ch1~Ch14)

Modulation Type
- CCK,BPSK, QPSK

Operating Channels IEEE 802.11b compliant:
- 11 channels (US, Canada)
- 13 channels (ETSI)
- 2 Channels (Spain)
- 4 Channels (France)
- 14 channels (Japan)

RF Output Power
- 17 dBm

Sensitivity
- -80dBm for 11Mbps, 8% @ BER 1E-5
- -83dBm for 5.5Mbps, 8% @ BER 1E-5
- -88dBm for 2Mbps, 8% @ BER 1E-5
- -90dBm for 1Mbps, 8% @ BER 1E-5

Antenna Type
- Two External Antennas

Antenna Gain
- 2 dBi

Operating Voltage
- 3.0V ~ 3.6V

Power
- 5V,2A

Warranty
- Limited lifetime

Regulation Compliance
- FCC Part 15 Class B, Sec. 15.247 and 15.109
- ETS 300 328, ETS 300 826, EN60950 and CE-Mark
- VCCI/JATE
- CSA/TUV
- Industry Canada
- DGT
- Telec (Japan)

Operating Temperature
- 0 ~ 55 °C ambient

Storage Temperature
- -20 ~ 75 °C ambient

Humidity
- 15%~95%

Size
- 13 x 9 x 3.5 cm

Weight
- 700g

SMC Networks Europe
Head Office
Edificio Conata II
Fructuós Gelabert 6-8 Planta 2
08970 - Sant Joan Despi
Barcelona
Spain
Telephone: +34 93 477 4920
Facsimile: +34 93 477 3774

SMC Networks Central Europe
Telephone: +49 (0) 89 92861-0
Facsimile: +49 (0) 89 92861-230

SMC Networks CIS
Telephone: +7 095 789 35 73
Facsimile: +7 095 789 35 73

SMC Nordic and Baltic
Telephone: +45 (0) 566 62283
Facsimile: +45 (0) 566 62286

SMC Networks Eastern Europe
Telephone: +420 607 96 6699
Facsimile: +420 235 36 3905

SMC Networks Italia
Telephone : +39 348 706 90 65

SMC Networks Netherlands
Telephone: +31 627 075227
Facsimile: +31 334 557 330

SMC Networks Ireland
Telephone: +353 61 34 0675
Facsimile: +353 61 34 0675

SMC Networks Sweden
Telephone:+46 (0)8 687 0700
Facsimile: +46 (0)8 87 62 62

SMC Networks North West Africa
Telephone: +216 71 23 66 16
Facsimile:+216 71 75 14 15

SMC Networks Sub-Saharan Africa
Telephone: +27 012 661 0232

SMC Networks South-East Europe
Telephone: +49 (0) 89 74 08 00 80
Facsimile: +49 (0) 89 74 08 00 81

SMC Networks Southern Europe
Telephone: +33 (0) 1 41 38 32 32
Facsimile: +33 (0) 1 41 38 01 58

SMC Networks Spain and Portugal
Telephone: +34 (0) 636 2043
Facsimile: +34 (0) 636 2044

SMC Networks United Kingdom
Telephone: +44 (0) 1932 86 6553

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